



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

89459-82

Date of Issuance:

03/03/16

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

RF2233 267 DFB Granules

Name and Address of Registrant (include ZIP Code):

Mr. Steven R. Spaulding  
Senior Director, Regulatory Affairs  
Central Garden & Pet Company  
1501 East Woodfield Road, Suite 200W  
Schaumburg, IL 60173-5417

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(B). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Richard Gebken, Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Office of Pesticide Programs

Date:

03/03/16

1. You are required to comply with the data requirements described in the DCI identified below:

- a. Diflubenzuron GDCI-108201-1286

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: [http://www.epa.gov/oppsrrd1/contacts\\_prd.htm](http://www.epa.gov/oppsrrd1/contacts_prd.htm)

2. Be aware that proposed data requirements have been identified in a Work Plan. For more information on these proposed data requirements, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: [http://www.epa.gov/oppsrrd1/contacts\\_prd.htm](http://www.epa.gov/oppsrrd1/contacts_prd.htm)
3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 89459-82."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 12/16/2015

If you have any questions, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely,



Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Office of Pesticide Programs

*Enclosures:    Label Stamped "Accepted," dated 03/03/16  
                     Acute Toxicity Review #1, dated 09/21/15  
                     Acute Toxicity Review #2, dated 09/25/15  
                     Efficacy Review, dated 01/22/16  
                     Product Chemistry Review, dated 12/16/15*

[ ] & ( ) denote optional language

## RF2233 267 DFB Granules

For use in [(cattle), (equine) and (swine)] feeds and supplements as part of an integrated pest management program to control flies developing in manure

(Daily) feed concentrate [for (cattle) (horses) (swine)] containing [(diflubenzuron) (Insect Growth Regulator) (IGR) (a larvicide)] for continuous feeding during the [(specific species of fly (house, horn, stable or face) fly] season

[(Fly larvicide)(fly control)] for [(cattle)(horses)(and)(swine)]

Contains [(diflubenzuron)(Insect Growth Regulator)(IGR)(chitin synthesis inhibitor)(a larvicide)]

Breaks the [(specific species of fly (house, horn, stable, or face)(fly)(flies')] life cycle(s)

For continuous feeding during the fly season

Prevents the [(formation)(synthesis)] of (chitin) in exoskeletons (when they molt)(resulting in their death)

(Can be used as) part of [(an integrated)] [(specific species of fly (house, horn, stable, or face) fly] (pest management) program

[(Stops)(Prevents the)] [(development)][(emergence)] of (House flies) (Stable flies) (Face flies) (Horn flies) in the manure of treated [cattle][lactating and non-lactating beef and dairy cows, slaughter, stocker, and feeder cattle, and calves include veal calves]

[(Stops)(Prevents the)] [(development)][(emergence)] of [House flies] [Stable flies] in the manure of treated horses).

[(Stops)(Prevents the)] [(development)][(emergence)] of House flies in the manure of treated swine [including nursery, grow-finish and breeding stock].

### ACTIVE INGREDIENT:

Diflubenzuron [CAS# 35367-38-5] ..... 2.67%

**OTHER INGREDIENTS:** ..... 97.33%

Total ..... 100.00%

Contains 0.42 ounces (12.12 grams) of diflubenzuron per pound.

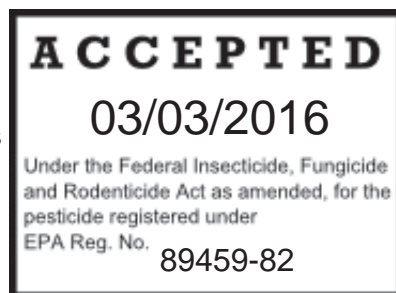
## KEEP OUT OF REACH OF CHILDREN CAUTION

See [side][back] panel(s) for additional Precautionary Statements

Net Weight: \_\_\_\_\_ lbs

EPA Reg. No. 89459-XX

EPA Est. No.



Lot Number:

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION**

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

<b>FIRST AID</b>	
<b>If Swallowed</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If in Eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product, including health concerns, medical emergencies, or pesticide incidents, you may call 1-800-347-8272, 24 hours per day, 7 days per week .	

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

[(Brand Name)(This product)] [(prevents)(inhibits)(controls)] the [(development of fly larvae in)(fly emergence from)] the manure of treated [(cattle)(horses)(swine)]. When fed to [(cattle)(horses)(swine)] according to label directions, [( RF2233 267 DFB Granules)(This product)(Diflubenzuron)] prevents the [(development)(emergence)] of [[house flies] [horn flies] [stable flies] [face flies] in the manure of treated [cattle][lactating and non-lactating beef and dairy cows, slaughter, stocker, and feeder cattle, and calves including veal calves]] [[house flies][stable flies] in the manure of treated horses] [[house flies] in the manure of treated (swine)]. Start feeding [(RF2233 267 DFB Granules)(This product)] early in the spring before [specific species of fly (house, horn, stable, or face) flies] begin to appear and continue feeding throughout the summer and into the fall until cold weather restricts [specific species of fly (house, horn, stable, or face) fly] activity.

This product is not effective against existing adult [specific species of fly (house, horn, stable, or face) flies] . When starting a feeding program during the [specific species of fly (house, horn, stable, or face) fly] season, it is desirable to use other control measures to reduce the population of existing adult [specific species of fly (house, horn, stable, or face) flies].

In some cases, supplemental [specific species of fly (house, horn, stable, or face) fly] control measures may be needed in and around [cattle (for house and stable flies only)] [horse (for house and stable flies only)] [swine] (house flies only)] [(lots)(buildings)(stalls) (barns)(paddocks)(facilities) (sheds)(houses)] to control adult house flies and stable flies, which can breed not only in [swine (house flies only)] [cattle (house flies and stable flies only)] [horse (house and stable flies only)] manure, but in decaying vegetable matter or silage on the premises. In order to achieve optimum [specific species of fly (house, horn, stable, or face) fly] control, use [(Brand Name)(this product)] in conjunction with other good management and sanitation practices.

The dosage of [(Brand Name)(this product)] is proportional to the animal's body weight and must be offered daily throughout the entire [specific species of fly (house, horn, stable, or face) fly] season. The following table [(gives dosage information)(provides the feeding rate)] for all approved species.

Species	Daily Feeding Rate of DFB AI	
	mg/kg	mg/cwt
<b>Cattle</b> - [(Brand name)(This product)] may be fed to beef and dairy cattle, including breeding cattle, lactating dairy cattle, growing and finishing cattle and calves, either in dry lot or on pasture up to slaughter and to lactating dairy cows without withholding milk from market during or after treatment.	0.10	4.55
<b>Horses</b> - [(Brand name)(This product)] may be fed to horses including ponies, burros, and donkeys.	0.15	6.82
<b>Swine</b> - [(Brand name)(This product)] may be fed to swine including nursery, grow-finish, and breeding stock with no withdrawal period. Use the higher inclusion rate for lighter weight pigs.	0.20 - 0.30	9.10 – 13.64

[(Brand Name)(This product)] is a specially formulated granular material for use in [(cattle)(horse)(and)(swine)] feeds. It is approved for use in [(supplements)(complete feeds)(concentrates)(premixes)(hand feeds)(mineral supplements)(blocks)(tubs)]. It may also be used in [(liquid feeds)(dry milk replacer)] when suspension agents are used to maximize the positional stability of the other feed ingredients.

<b>(Cattle) Feed Mixing Directions - 0.10 mg/kg/day</b>	
Use the following formula when mixing cattle rations, including complete feeds, liquid feeds, supplements, premixes, supplements for hand feeding and mineral mixes.	
$\left( \frac{\text{CWT}}{\text{Consumption (lbs)}} \right) \times 0.75 =$	lbs of [(RF2233 267 DFB Granules) (Brand Name)] per Ton of product being manufactured

<b>Feed Mixing Directions for Calves Weighing Between 100 and 200 Pounds</b>			
Use the following table when formulating (calf starters) and (milk replacers) to be fed to calves weighing between 100 and 200 pounds:			
		<b>INCLUSION RATE</b>	
<b>CALF WEIGHT</b>	<b>FEED INTAKE lb/head/day</b>	<b>Lb of (Brand Name)/ton</b>	<b>G of Diflubenzuron/ton</b>
50 – 99 lbs	1.0 – 1.4	0.750	9.1
100 – 150 lbs	1.0 – 1.4	1.125	13.6
100 – 170 lbs	1.5 – 1.7	0.900	10.9
100 – 200 lbs	≥ 1.8	0.750	9.1

#### **MIXED WITH FREE-CHOICE MINERALS**

Mix [(Brand Name)(this product)] with free-choice-fed minerals to produce a mineral mixture as shown in the table below<sup>1</sup>.

#### **4 OZ. PER DAY FEEDING RATE**

[(Brand Name)(This product)]	3.1	lbs	1.53%
Free-Choice Minerals	200	lbs	98.47%
Total	203.1	lbs	100.00%

#### **2 OZ. PER DAY FEEDING RATE**

[(Brand Name)(This product)]	3.1	lbs	3.01%
Free-Choice Minerals	100.0	lbs	96.99%
Total	103.1	lbs	100.00%

<sup>1</sup>These calculations are based on a 1,000 pound animal.

Place the [(Brand Name)(this product)] + mineral mixture in feeders close to water sources and/or resting areas. Use one feeder for each 15 to 20 head. Fill the feeders with no more than a 5 to 7 day supply of the mixture at one time, and protect the mixture from rain.

#### **MIXED-RATION FEEDING**

Use the table below as a guide for mixing [(Brand Name)(this product)] with grain or a feed. Thoroughly mix the total amount of [(Brand Name)(this product)] with a small amount of grain or feed. Then mix the resulting pre-mixture with the rest of the grain or feed. The mixing and feeding rates in the table will provide the required daily intake of [(0.10 mg diflubenzuron/kg of body weight)(4.54 mg diflubenzuron/100 lbs. of body weight)] per day.

Body Weight (lbs.)	Feed Intake as a % body wt.	Feed Intake (lbs. /head /day)	[(Brand Name)(This product)] [(oz./ton)] [(lbs./ton)]	
100-200	See table below: “For Formulating Calf Starters (and Milk Replacers)”			
250	1.50%	3.75	[8.0]	[0.5]
500	1.50%	7.50	[8.0]	[0.5]
750	1.50%	11.25	[8.0]	[0.5]
1000	1.50%	15.00	[8.0]	[0.5]
1500	1.50%	22.50	[8.0]	[0.5]
250	2.00%	5.00	[6.0]	[0.375]
500	2.00%	10.00	[6.0]	[0.375]
750	2.00%	15.00	[6.0]	[0.375]
1000	2.00%	20.00	[6.0]	[0.375]
1250	2.00%	25.00	[6.0]	[0.375]
250	2.50%	6.25	[4.8]	[0.3]
500	2.50%	12.50	[4.8]	[0.3]
750	2.50%	18.75	[4.8]	[0.3]
1000	2.50%	25.00	[4.8]	[0.3]
1500	2.50%	37.50	[4.8]	[0.3]
250	3.00%	7.50	[4.0]	[0.25]
500	3.00%	15.00	[4.0]	[0.25]
750	3.00%	22.50	[4.0]	[0.25]
1000	3.00%	30.00	[4.0]	[0.25]
1250	3.00%	37.50	[4.0]	[0.25]

<b>(Horse) Feed Mixing Directions - 0.15 mg/kg/day</b>	
Use the following formula when mixing horse rations, including complete feeds, tubs and blocks.	
$\left( \frac{\text{CWT}}{\text{Consumption (lbs)}} \right) \times 1.125 = \text{lbs of [(RF2233 267 DFB Granules)(Brand Name)] per Ton of product being manufactured}$	



<b>(Swine) Feed Mixing Directions - 0.20 mg/kg/day – 0.30 mg/kg/day</b>	
Use the following formula when mixing swine rations. Use the higher inclusion rate for lighter weight pigs.	
<p><b>For a dosage of 0.20 mg/kg/day:</b></p> $\left( \frac{\text{CWT}}{\text{Consumption (lbs)}} \right) \times 1.5 = \frac{\text{lbs of [(RF2233 267 DFB Granules)(Brand Name)]}}{\text{Ton of product being manufactured}}$ <p><b>For a dosage of 0.30 mg/kg/day:</b></p> $\left( \frac{\text{CWT}}{\text{Consumption (lbs)}} \right) \times 2.25 = \frac{\text{lbs of [(RF2233 267 DFB Granules)(Brand Name)]}}{\text{Ton of product being manufactured}}$	

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this pesticide may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container.

Completely empty bag into mixing equipment. Offer for recycling if available, then dispose of empty bag in a sanitary landfill, or by other procedures approved by state and local authorities.

## WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing and with specific reference to this warranty. To the extent consistent with applicable law, Seller's liability for any breach of warranty shall not exceed the purchase price of the material as to which claim is made.

For information or in case of emergency, contact 1-800-xxx-xxxx.

Central Garden & Pet Company  
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Schaumburg, Illinois 60173  
[www.centraflycontrol.com](http://www.centraflycontrol.com)

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